ANNUAL INDEX
VOLUME 39
FALL 1993 - SUMMER 1994

INDEX BY SUBJECT

- **BENEFIT COST ANALYSIS** — Vol:No, p.

"The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems," Hesham E. Shaalan, Robert P. Broadwater, Wolter J. Fabrycky and Robert E. Lee — 39:3, 209

"A Clarification of the Concepts of Income, Wealth Base, and Rate of Return Implications of Alternative Project Evaluation Criteria," (Technical Note), Jack R. Lohmann — 39:4, 355

- **BIDDING**

"Effective Bid Pricing for Unit Price Contracts," John E. Burnett and J. Howard Finch — 39:4, 293

- **CAPITAL BUDGETING**

"Decision Making and Display Methods: The Case of Prescription and Practice in Capital Budgeting," (Technical Note), Dorla A. Evans and Shawn M. Forbes — 39:1, 87

"Capital Rationing Under Risk: A Chance Constrained Approach Using Uniformly Distributed Case Flows and Available Budgets," Huseyin Sarper — 39:1, 49

"Effective Bid Pricing for Unit Price Contracts," John E. Burnett and J. Howard Finch — 39:4, 293

- **CAPITAL INVESTMENT ANALYSIS**

"Negative Risk? A Comment on Khan and Fiorino," (Technical Note), Irwin Bernhardt 39:3, 281

"A Clarification of the Concepts of Income, Wealth Base, and Rate of Return Implications of Alternative Project Evaluation Criteria," (Technical Note), Jack R. Lohmann 39:4, 355

- **COMPUTER METHODS**

"Spreadsheets: Enhancing Learning and Application of Engineering Economy Techniques," (Technical Note), James A. Alloway, Jr. 39:3, 263

"Using Spreadsheet Functions to Compute Arithmetic Gradients," (Technical Note), Ted Eschenbach 39:3, 275

- **COST ESTIMATING**

"Optimal Economic Tool Regrinding with Taguchi's Quality Loss Function," Y.V. Hui and L.C. Leung 39:4, 313

- **COST OF CAPITAL**

"Negative Risk? A Comment on Khan and Fiorino," (Technical Note), Irwin Bernhardt 39:3, 281

- **DECISION ANALYSIS**

"Effective Bid Pricing for Unit Price Contracts," John E. Burnett and J. Howard Finch 39:4, 293

"Optimal Economic Tool Regrinding with Taguchi's Quality Loss Function," Y.V. Hui and L.C. Leung 39:4, 313

"The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems," Hesham E. Shaalan, Robert P. Broadwater, Wolter J. Fabrycky and Robert E. Lee 39:3, 209

"Strategies for Electric Utility Bill Reduction When Alternative Rate Structures Apply," J.F. Mahoney and B.L. Capehart 39:3, 235

- **DECISION SUPPORT**

"Decision Making and Display Methods: The Case of Prescription and Practice in Capital Budgeting," (Technical Note), Dorla A. Evans and Shawn M. Forbes 39:1, 87

- **ECONOMIC COMPARISONS**

"A Comprehensive Lease/Purchase Model," Eyal Gutman and Joseph Yagil 39:4, 333

"Strategies for Electric Utility Bill Reduction When Alternative Rate Structures Apply," J. F. Mahoney and B. L. Capehart 39:3, 235

- **EDUCATION**

"Spreadsheets: Enhancing Learning and Application of Engineering Economy Techniques," (Technical Note), James A. Alloway, Jr. 39:3, 263

"Using Spreadsheet Functions to Compute Arithmetic Gradients," (Technical Note), Ted Eschenbach 39:3, 275

- **ENERGY**

"Strategies for Electric Utility Bill Reduction When Alternative Rate Structures Apply," J. F. Mahoney and B. L. Capehart 39:3, 235

- **FINANCE**

"A Comprehensive Lease/Purchase Model," Eyal Gutman and Joseph Yagil 39:4, 333

"Negative Risk? A Comment on Khan and Fiorino," (Technical Note), Irwin Bernhardt 39:3, 281

- **FINANCIAL MATHEMATICS**

"Using Spreadsheet Functions to Compute Arithmetic Gradients," (Technical Note), Ted Eschenbach 39:3, 275

- **INTEREST RATES**

"A Clarification of the Concepts of Income, Wealth Base, and Rate of Return Implications of Alternative Project Evaluation Criteria," (Technical Note), Jack R. Lohmann 39:4, 355

• INVENTORY

"A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework," (Technical Note), Ilkyeong Moon and Wonyoung Yun 39:1, 93

• LEASING

"A Comprehensive Lease/Purchase Model," Eyal Gutman and Joseph Yagil 39:4, 333

• MANAGERIAL ECONOMICS

"A Model for a Firm's Optional Environmental Policy ," Edward V. Byrns, Jr. 39:3, 249

• MANUFACTURING

"A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework," (Technical Note), Ilkyeong Moon and Wonyoung Yun 39:1, 93

• MATHEMATICAL MODELS

"A Model for a Firm's Optional Environmental Policy," Edward V. Byrns, Jr. 39: 3, 249

"A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework," (Technical Note), Ilkyeong Moon and Wonyoung Yun 39:1, 93

• MATHEMATICAL PROGRAMMING

"Capital Rationing Under Risk: A Chance Constrained Approach Using Uniformly Distributed Case Flows and Available Budgets," Huseyin Sarper 39:1, 49

• MEASURES OF WORTH

"A Clarification of the Concepts of Income, Wealth Base, and Rate of Return Implications of Alternative Project Evaluation Criteria," (Technical Note), Jack R. Lohmann 39:4, 355

"Decision Making and Display Methods: The Case of Prescription and Practice in Capital Budgeting," (Technical Note), Dorla A. Evans and Shawn M. Forbes 39:1, 87

- **PRICING**

"Effective Bid Pricing for Unit Price Contracts," John E. Burnett and J. Howard Finch 39:4, 293

- **PRODUCTION ECONOMICS**

"A Model for a Firm's Optional Environmental Policy," Edward V. Byrns, Jr. 39:3, 249

"A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework," (Technical Note), Ilkyeong Moon and Wonyoung Yun 39:1, 93

"Optimal Economic Tool Regrinding with Taguchi's Quality Loss Function," Y.V. Hui and L.C. Leung 39:4, 313

- **PUBLIC UTILITY**

"Strategies for Electric Utility Bill Reduction When Alternative Rate Structures Apply," J. F. Mahoney and B. L. Capehart 39:3, 235

- **REPLACEMENT ANALYSIS**

"Optimal Economic Tool Regrinding with Taguchi's Quality Loss Function," Y.V. Hui and L.C. Leung 39:4, 313

- **SENSITIVITY ANALYSIS**

"The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems," Hesham E. Shaalan, Robert P. Broadwater, Wolter J. Fabrycky and Robert E. Lee 39:3, 209

"Using Spreadsheet Functions to Compute Arithmetic Gradients," (Technical Note), Ted Eschenbach 39:3, 275

- **SIMULATION**

"Capital Rationing Under Risk: A Chance Constrained Approach Using Uniformly Distributed Case Flows and Available Budgets," Huseyin Sarper 39:1, 49

"Spreadsheets: Enhancing Learning and Application of Engineering Economy Techniques," (Technical Note), James A. Alloway, Jr. 39:3, 263

• UNCERTAINTY

"Capital Rationing Under Risk: A Chance Constrained Approach Using Uniformly Distributed Case Flows and Available Budgets," Huseyin Sarper 39:1, 49

"Negative Risk? A Comment on Khan and Fiorino," (Technical Note), Irwin Bernhardt 39:3, 281

"Spreadsheets: Enhancing Learning and Application of Engineering Economy Techniques," (Technical Note), James A. Alloway, Jr. 39:3,263

"The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems," Hesham E. Shaalan, Robert P. Broadwater, Wolter J. Fabrycky and Robert E. Lee 39:3, 209

• VALUATION

"Decision Making and Display Methods: The Case of Prescription and Practice in Capital Budgeting," (Technical Note), Dorla A. Evans and Shawn M. Forbes 39:1, 87

"A Comprehensive Lease/Purchase Model," Eyal Gutman and Joseph Yagil 39:4, 333

INDEX OF AUTHORS

ALLOWAY, JAMES A., JR., "Spreadsheets: Enhancing Learning and Application of Engineering Economy Techniques," (Technical Note) 39:3, 263

ARCELUS, F.J., (with G. Srinivasan), "Integrating Working Capital Decisions" 39:1, 1

BAKSH, SHARIFF N. (with Jack R. Lohmann), "The IRR, NPV and Payback Period and Their Relative Performance in Common Capital Budgeting Decision Procedures for Dealing with Risk" 39:1, 17

BERNHARDT, IRWIN, "Negative Risk? A Comment on Khan and Fiorino," (Technical Note) 39:3, 281

BROADWATER ROBERT P., (with Hesham E. Shaalan, Wolter J. Fabrycky and Robert E. Lee), "The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems" 39:3, 209

BURNETT, JOHN E., (with J. Howard Finch), "Effective Bid Pricing for Unit Price Contracts" 39:4, 293

BYRNS, EDWARD V., JR., "A Model for a Firm's Optional Environmental Policy" 39:3, 249

CAPEHART, B.L. (with J.F. Mahoney), "Strategies for Electric Utility Bill Reduction When Alternative Rate Structures Apply" 39:3, 235

CHIU, CHUI-YU, (with Chan S. Park), "Fuzzy Cash Flow Analysis Using Present Worth Criterion" 39:2, 113

ESCHENBACH, TED, "Using Spreadsheet Functions to Compute Arithmetic Gradients" (Technical Note) 39:3, 275

EVANS, DORLA A., (with Shawn M. Forbes), "Decision Making and Display Methods: The Case of Prescription and Practice in Capital Budgeting" (Technical Note) 39:1, 87

FABRYCKY, WOLTER J., (with Hesham E. Shaalan, Robert P. Broadwater, and Robert E. Lee), "The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems" 39:3, 209

FINCH , J. HOWARD, (with John E. Burnett), "Effective Bid Pricing for Unit Price Contracts" 39:4, 293

FORBES, SHAWN M., (with Dorla A. Evans), "Decision Making and Display Methods: The Case of Prescription and Practice in Capital Budgeting," (Technical Note) 39:1, 87

GUTMAN, EYAL (with Joseph Yagil), "A Comprehensive Lease/Purchase Model" 39:4, 333

HUI, Y.V., (with L.C. Leung), "Optimal Economic Tool Regrinding with Taguchi's Quality Loss Function" 39:4, 313

LAVELLE, JEROME P., "'Facts' Aren't Always What They Seem," (Technical Note) 39:2, 193

LEE, ROBERT E., (with Hesham E. Shaalan, Robert P. Broadwater, and Wolter J. Fabrycky), "The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems" 39:3, 209

LEUNG, L.C., (with Y.V. Hui),"Optimal Economic Tool Regrinding with Taguchi's Quality Loss Function" 39:4, 313

LOHMANN, JACK R., (with Shariff N. Baksh), "The IRR, NPV and Payback Period and Their Relative Performance in Common Capital Budgeting Decision Procedures for Dealing with Risk" 39:1, 17

LOHMANN, JACK R., "A Clarification of the Concepts of Income, Wealth Base, and Rate of Return Implications of Alternative Project Evaluation Criteria," (Technical Note) 39:4, 355

MAHONEY, J.F., (with B.L. Capehart), "Strategies for Electric Utility Bill Reduction When Alternative Rate Structures Apply" 39:3, 235

MOON, ILKYEONG, (with Wonyoung Yun), "An Economic Order Quantity Model with a Random Planning Horizon" 39:1, 77

MOON, ILKYEONG, "Generalized Formula for the Periodic Geometric-Gradient Series Payment in a Skip Payment Loan with Arbitrary Skips," (Technical Note) 39:2, 177

MOON, ILKYEONG, (with Wonyoung Yun), "A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework," (Technical Note) 39:1, 93

PARK, CHAN S., (with Chui-Yu Chiu), "Fuzzy Cash Flow Analysis Using Present Worth Criterion" 39:2, 113

SARPER, HUSEYIN, "Capital Rationing Under Risk: A Chance Constrained Approach Using Uniformly Distributed Case Flows and Available Budgets" 39:1, 49

SHAALAN, HESHAM E., (with Robert P. Broadwater, Wolter J. Fabrycky and Robert E. Lee), "The Application of Interval Analysis to Economic Decision Evaluation of Electric Energy Systems" 39:3, 209

SHULL, DAVID M., "Overall Rates of Return: Investment Basis, Reinvestment Rates and Time Horizons" 39:2, 139

SRINIVASAN, G., (with F.J. Arcelus), "Integrating Working Capital Decisions" 39:1, 1

WANG, LOUIE K., "The Weighted Average Cost of Capital and Sequential Marginal Costing: A Clarification," (Technical Note) 39:2, 187

WARD, T. L., "Computer Rate of Return Analysis of Mixed Capital Projects" 39:2, 165

YAGIL, JOSEPH, (with Eyal Gutman), "A Comprehensive Lease/Purchase Model" 39:4, 333

YUN, WONYOUNG, (with Ilkyeong Moon), "An Economic Order Quantity Model with a Random Planning Horizon" 39:1, 77

YUN, WONYOUNG, "A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework," (Technical Note) 39:1, 93

INDEX OF BOOK REVIEWS

AGGARWAL, RAJ, *Capital Budgeting Under Uncertainty*, Reviewed by Gerald J. Thuesen 39:1, 106

ARCHIBALD, RUSSELL D., *Managing High-Technology Programs and Projects*, Reviewed by Hector R. Carrasco 39:3, 290

ASKIN, RONALD G. and STANDRIDGE, CHARLES R., *Modeling and Analysis of Manufacturing Systems*, Reviewed by Michael G. Kay 39:3, 287

CREESE, ROBERT C., ADITHAN, M. and PABLA, B.S., *Estimating and Costing for the Metal Manufacturing Industries*, Reviewed by Ravi O. Mittal 39:1, 108

FLEISCHER, GERALD A., *Introduction to Engineering Economy*, Reviewed by Jane M. Fraser 39:4, 369

GAYNOR, GERALD H., *Exploiting Cycle Time in Technology Management*, Reviewed by M. Wayne Parker 39:1, 110

HOFFHERR, GLEN D., MORAN, JOHN W., and NADLER, GERALD, *Breakthrough Thinking in Total Quality Management*, Reviewed by Thomas Johnston 39:4, 363

PARK, CHAN S., *Contemporary Engineering Economics Case Studies*, Reviewed by David G. Humphrey 39:2, 199

PARSAEI, HAMID R. and SULLIVAN, WILLIAM G., *Concurrent Engineering: Contemporary Issues and Modern Design Tools*, Reviewed by Rashpal S. Ahluwalia 39:2, 197

PETERS, LAWRENCE H., and GRAY, J. BRIAN, *Business Cases in Statistical Decision Making: Computer Based Applications*, Reviewed by Allen G. Greenwood 39:4, 367

ROUSE, WILLIAM B., *Strategies for Innovation*, Reviewed by William A. Smith Jr. 39:2, 201

RAMAKUMAR, R., *Engineering Reliability: Fundamentals and Applications*, Reviewed by Yahya Fathi 39:1, 101

VISWANADHAM, N. and NARAHARI, Y., *Performance Modeling of Automated Manufacturing Systems*, Reviewed by Paul M. Stanfield 39:1, 103